

PINOUT INFORMATION

<u>PIN COLOUR</u>	<u>FUNCTION</u>
1. YEL/BLK	10p MICROSWITCH OR N.P.N OPEN COLLECTOR INPUT.
2. N/C	10p MICROSWITCH OR N.P.N. OPEN COLLECTOR INPUT.
3. WHT/BLU	10p PNP INPUT (MS 111/SENTINEL)
4. N/C	20p INPUT (MICROSWITCH)
5. WHT/GRN	20p INPUT (MS 111/SENTINEL)
6. N/C	50p INPUT (MICROSWITCH)
7. WHT/BLK	50p INPUT (MS 111/SENTINEL)
8. N/C	£1 INPUT (MICROSWITCH)
9. WHT/YEL	INPUT (MS 111/SENTINEL)
10. BLU/BLK	INPUT (MS 111/SENTINEL)
11. BLU/YEL	10p INHIBIT
12. BLU/ORG	20p INHIBIT
13. BLU/WHT	50p INHIBIT
14. BLACK	£1 INHIBIT
15. BLACK	VOLTS (20p INHIBIT)
16. N/C	VOLTS (50p INHIBIT)
17. N/C	VOLTS (£1 INHIBIT)
18. ORANGE	VOLTS (10p INHIBIT)
19. ORANGE	VOLTS (20p INHIBIT)
20. ORANGE	VOLTS (50p INHIBIT)
21. BLU/VIO	- POSITIVE COMMON FOR MS111/SENTINEL
22. WHT/RED	METER OUTPUT (NPN OPEN COLLECTOR)
23. ORG/BLK	CREDIT OUTPUT (NPN OPEN COLLECTOR)
24. N/C	0 VOLTS
	KEYWAY
	+ 12v DC
	+ 12v DC
	+ 12v DC
	-
	POSITIVE COMMON FOR MS111/SENTINEL
	METER OUTPUT (NPN OPEN COLLECTOR)
	CREDIT OUTPUT (NPN OPEN COLLECTOR)
	0 VOLTS

NOTES:-

- 1) Use 0 volts for negative common if plugging into MS 125 separator unit.
- 2) Ensure that there is no coin meter connected across any input, e.g. via a microswitch or an adaptor card.

- 3) The meter will always total cash in 10p units regardless of any credit setting.
- 4) More than one coin mech may be fed into the PCB.

e.g. A) S10 (up to four)

B) S10 X MS 111

C) S10 X MS 125

D) S10 X Sentinel

- 5) Most credit boards are supplied with a standard credit loom.  
(Part No 16684) fitted with a male 6 way amp mate 'N' lock connector.

Pinouts are shown below.

<u>PIN</u>	<u>COLOUR</u>	<u>FUNCTION</u>
1. ORANGE	+12v	DC SUPPLY
2. PINK	+5v	DC (LAMP SUPPLY)
3. N/C	TO COIN METER	
4. WHT/RED	Ov	DC
5. BLACK	Ov	DC
6. ORG/BLK	COIN INPUT	TO GAME PCB.

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## DIP SWITCH SETTINGS V-2

<u>FUNCTION</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>
<u>Bonus Games</u>	<u>Not used</u>							
None	on	on						
For every 50p	off	on						
For every £1	on	off						
For every £2	off	off						
1 Pulse per credit						on		
2 Pulses per credit						off		
Price per play								
10p	on	on	on					
20p	off	on	on					
30p	on	off	on					
40p	off	off	on					
50p	on	on	off					
60p	off	on	off					
£1	on	off	off					
£2	off	off	off					

Please Note:- A bonus game will only be awarded if the game price of play is less than the bonus value set. Also if a mixture of coins are inserted, the time interval between coins inserted must be of less than 5 seconds for the bonus to be awarded.

### EXAMPLES OF SETTINGS (FOR £1 INSERTED)

Price of Play	Bonus Games	Credits	Bonus	Total
10p	off	10	None	10
10p	For every 50p	10	2	12
10p	For every £1	10	1	11
20p	off	5	None	5
20p	For every 50p	5	2	7
20p	For every £1	5	1	6
30p	off	3	None	3
30p	For every 50p	3	2	5
30p	For every £1	3	1	4
40p	off	2	None	3
40p	For every 50p	2	2	4
40p	For every £1	2	1	3
50p	off	2	None	2
50p	For every £1	2	1	3

22 WAY EDGE CONNECTOR

CONNECTOR A

LOGIC PCB

KEYWAY PIN 7, H

BLK/RED	GND	1	1	A	GND	BLK/YEL
BLK	GND	2	B		GND	BLK
PNK	+5v	3	C		+5v	PNK
PNK	+5v	4	D		+5v	PNK
VIO	-5v	5	E			
RED/BLK	+13v	6	F			
KEYWAY		7	H		KEYWAY	WHT/GRY
GRY/WHT		8	J		L. SPEAKER	BLK/GRY
GRY/BLK		9	K		R. SPEAKER	YEL/BLK
ORG/BLK		10	L		COIN A	WHT/YEL
WHT/ORG		11	M		METER B	
RED/ORG		12	N			
GRN/BLK		13	P		START SW	
		14	R		START LAMP	YEL/VIO
		15	S			
		16	T			
BRN/PNK	ADJ 2 (accelerator)	17	U		+24v	GRY
BRN/YEL	ADJ 1 (steering)	18	V		DRIVE	BLK/WHT
ORG/BLU	HANDLE	19	W			
YEL/BLU	ACCEL	20	X		BRAKE	BLU/YEL
BLK	GND	21	Y		GND	BLK
BLK/GRN	GND	22	Z		GND	BLK/GRN

CONNECTOR B

COMMUNICATION PCB

5 WAY JST N/H SERIES 0.1" PITCH

1	+5v	PNK
2	+5v	PNK
3	GND	BLK
4	GND	BLK
5	GND	BLK

CONNECTOR C

12 WAY MOLEX 0.156" PITCH KEYWAY 10

1	GND	BLK
2	GND	BLK
3	GND	BLK
4	GND	BLK
5	GND	BLK
6	+5v	PNK
7	+5v	PNK
8	+5v	PNK
9	+5v	PNK
10	KEYWAY	PNK
11	+5v	PNK
12	+5v	PNK

CONNECTOR D

5 WAY ST N/H SERIES 0.1" PITCH

5	VIDEO RED	RED
4	VIDEO GRN	GRN
3	VIDEO BLU	BLU
2	V-SYNC	WHT
1	VIDEO GND	BLK/BLU

CONNECTOR F

P.S.U

9 WAY AMP M+L PLUG MALE PINS

1	+5v	PNK
2	+5v	PNK
3	GND	BLK/YEL & BLK/RED
4	GND	BLK/GRN
5	GND	BLK
6	GND	BLK/PNK
7	GND	ORG
8	+12v	VIO
9	-5v	

CONNECTOR J

9 WAY AMP MINI M+L SOCKET	6 WAY AMP M + L SOCKET
1 START SW	GRN/BLK
2 GND	BLK
3 HANDLE	ORG/BLU
4 +5V	PNK
5 START LAMP	VIO/YEL
6 +13v	RED/BLK
7 +24v	GRY
8 DRIVE	BLK/WHT
9 EARTH	GRN/YEL

CONNECTOR K

187 FASTONS	GRY/WHT
1 L/H/S SPEAKER (+)	WHT/GRY
2 L/H/S SPEAKER (-)	

CONNECTOR L

.187 FASTONS	GRY/BLK
1 R/H/S SPEAKER (+)	BLK/GRY
2 R/H/S SPEAKER (-)	

SPEAKER RIGHT

3 WAY AMP M+L SOCKET MALE PINS	<u>COIN DOOR</u>
1 +5V	PNK
2 CREDIT BD	WHT/RED
3 METER A	WHT/ORG
4 METER B	WHT/YEL (tied back)

CONNECTOR P

MINI PUSH BUTTON	<u>SERVICE SW</u>
1 SERVICE SW	ORG/RED
2 GND	BLK

STEERING MECH

6 WAY AMP M + L SOCKET	BLK
1 GND	BLU/YEL
2 BRAKE	PNK
3 +5V	BLK
4 GND	YEL/BLU
5 ACCEL	PNK
6 +5V	

CONNECTOR R

VOL 1

FIT 100 ohm POT

- |   |                   |         |
|---|-------------------|---------|
| 1 | L/H/S SPEAKER (+) | GRY/WHT |
| 2 | CENTER            | WHT/GRY |
| 3 | L/H/S SPEAKER (-) | WHT/GRY |

CONNECTOR S

VOL 2

FIT 100 ohm POT

- |   |                   |         |
|---|-------------------|---------|
| 1 | R/H/S SPEAKER (+) | GRY/BLK |
| 2 | CENTER            | BLK/GRY |
| 3 | R/H/S SPEAKER (-) | BLK/GRY |

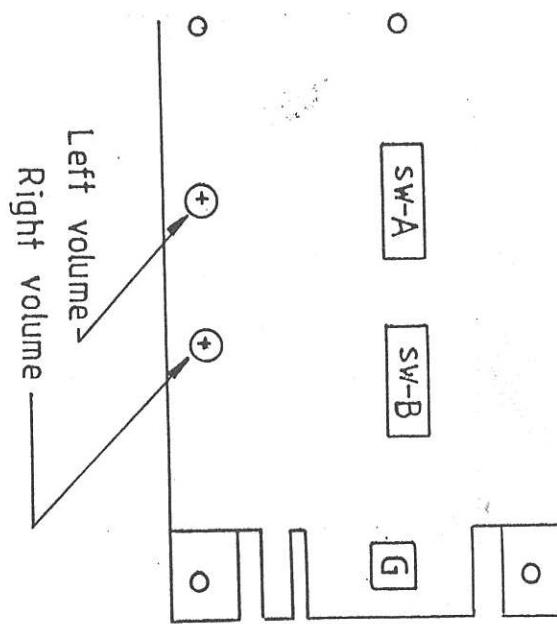
CONNECTOR T and V

ADJUST 1 and 2 ACCEL and HANDLE

FIT SK ohm POT

- |   |            |                   |
|---|------------|-------------------|
| 1 | ADJ GND    | BLK               |
| 2 | ADJ CENTER | BRN/YEL / BRN/PNK |
| 3 | ADJ +5v    | PNK               |

LOCATION of DIP SWs on PC3



LOCATION OF HANDLE/ACCELERATOR ADJUSTMENT

Service Rkt located

inside of coin door.

Handle Bar

ADJ.

Accelerator  
ADJ.

SERVICE  
RACKET  
Part No.  
20441

COIN DOOR

Service Rkt located

inside of coin door.

SERVICE  
RACKET  
Part No.  
20441

ELECTROCOIN LTD

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The above company has been formed as part of the Electrocoin Automatics Group at the Cardiff factory to provide the AfterSales Service necessary to support the variety of machines manufactured by Electrocoin Automatics Ltd. The company will be responsible for servicing both Spares and Technical requirements for all U.K. manufactured Electrocoin machines, all "Famous Games" products, and all Board Games distributed by Electrocoin Ltd.

Normal working hours are Monday to Friday 08.00 to 17.30  
and Saturday morning 08.00 to 12.30.

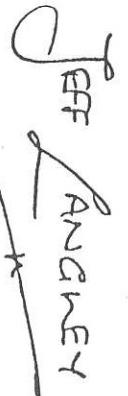
AfterSales & Service Tel No: 0222 373059 during working hours,  
0836 536195 after hours/weekends.

Please contact the following staff for:-

- |                       |                   |
|-----------------------|-------------------|
| PARTS ENQUIRIES       | - GARY SCOBLE     |
| TECHNICAL INFORMATION | - IAN COLEY       |
| ACCOUNTS ENQUIRIES    | - JULIE TIPPER    |
| WORKSHOP MANAGER      | - MIKE CALLAN     |
| CREDIT CONTROLLER     | - IAN HEPPENSTALL |

PLEASE REMEMBER, TO HELP US HELP YOU, PROMPT RETURN OF  
FAULTY PARTS IS ESSENTIAL.

Assuring you of the best attention at all times.

  
JEFF LANGLEY

General Manager

ELECTROCOIN AFTERSALES & SERVICE LTD.